

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P760654

Luminaire Tested: LD6D10D010-EU6DR600210IC9027-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P760654
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D10D010-EU6DR600210IC9027-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 907.3 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



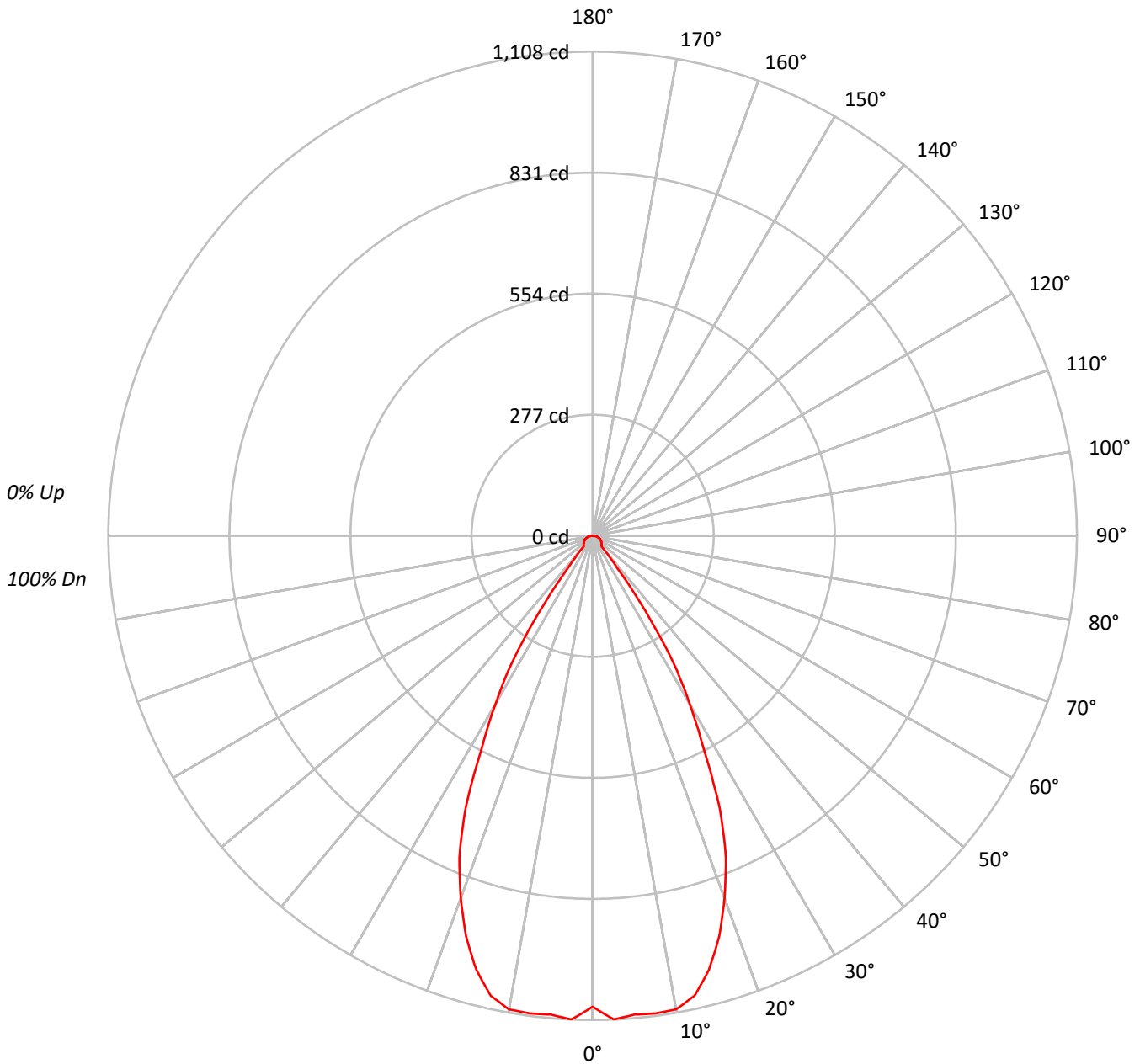
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	117739
5°	120635
10°	122096
15°	116305
20°	102541
25°	82942
30°	56105
35°	28117
40°	4564
45°	4466
50°	4555
55°	4610
60°	4742
65°	4860
70°	4984
75°	5024
80°	4845
85°	4012

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 5024 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.1	11.6
10°-20°	284.4	31.3
20°-30°	306.0	33.7
30°-40°	133.0	14.7
40°-50°	22.3	2.5
50°-60°	21.7	2.4
60°-70°	18.6	2.0
70°-80°	12.4	1.4
80°-90°	3.7	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	695.5	76.7
0°-40°	828.6	91.3
0°-60°	872.6	96.2
0°-90°	907.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	907.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1078	
5°	1100	105
15°	1028	284
25°	688	306
35°	211	133
45°	29	22
55°	24	22
65°	19	19
75°	12	12
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1077.6
2.5°	1107.9
5°	1099.9
7.5°	1102.4
10°	1100.5
12.5°	1077.7
15°	1028.2
17.5°	961.8
20°	881.9
22.5°	796.6
25°	688.0
27.5°	550.3
30°	444.7
32.5°	342.7
35°	210.8
37.5°	90.2
40°	32.0
42.5°	29.4
45°	28.9
47.5°	27.9
50°	26.8
52.5°	25.5
55°	24.2
57.5°	23.0
60°	21.7
62.5°	20.3
65°	18.8
67.5°	17.2
70°	15.6
72.5°	13.8
75°	11.9
77.5°	9.8
80°	7.7
82.5°	5.4
85°	3.2
87.5°	1.1
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)